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"Vandiver, Gary W"
<gwvand@solutia.com>
>

To: Sandra Bron, Clair Morris, Nabil Fayoumi, Ning Li, Peter Barrett, "Yare, Bru"
Subject: STORMWATER MONITORING PLAN

10/15/2003 11 01 AM

Nabil,

Here is the stormwater monitoring plan. It will be sent tonight via FedEx with the soil stabilization report.

Gary

Gary Vandiver
Solutia Inc
PO Box 66760
St. Louis, MO 63166-6760
(314) 674-6768
gwvand@solutia.com

-----Original Message-----

From: Vandiver, Gary W
Sent: Wednesday, October 15, 2003 10:12 AM
To: Tracy, Janet A
Subject: FW: STORMWATER MONITORING PLAN

Please print for signature

Thanks!

Gary

Gary Vandiver
Solutia Inc
PO Box 66760
St. Louis, MO 63166-6760
(314) 674-6768
gwvand@solutia.com

-----Original Message-----

From: Richard Williams [mailto:r_assoc@amentech.net]
Sent: Monday, October 13, 2003 10:26 PM
To: Vandiver, Gary W
Subject: STORMWATER MONITORING PLAN

Attached is a draft of the stormwater monitoring plan for Site R. Please review and me have your comments.

<<Stormwater monitoring plan doc>>

Richard Williams
R S Williams & Associates
984 Creekside Circle
Naperville, Illinois 60563
630-579-0275
r_assoc@ameritech.net
or



rswill1@solutia.com Stormwater monitoring plan d

October 14, 2003

Mr. Nabil S. Fayoumi
U. S. Environmental Protection Agency - Region 5
Superfund Division
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Stormwater Treatment System Monitoring
Groundwater Migration Control System
Sauget Area 2 – Sites O, Q, R And S
Sauget, Illinois**

Dear Mr. Fayoumi:

This letter presents details of a monitoring program that will be implemented at the Sauget Area 2 Site R stormwater treatment facility to ensure that the treated discharge satisfies state surface water quality standards. This plan was requested by the Illinois Environmental Protection Agency at a recent site meeting.

Stormwater that coming into contact with excavated soils will be collected and pumped to temporary storage tanks on the site. The water will be passed through a series of filters to remove suspended solids and will then be pumped through two parallel trains of granular activated carbon columns in a lead-lag arrangement to remove organic constituents. The treated water will be discharged into the on-site surface water drainage system. Details of the system design were contained in a report submitted to you on July 31, 2003.

In order to monitor the system performance, samples will be obtained at the following three locations in the treatment train:

- A sample will be taken at the discharge point from the filter system, immediately prior to entering the lead granular activated carbon columns. This sample will be analyzed for COD.
- One sample will be taken from the discharge end of each of the two lead carbon columns and both of these samples will also be analyzed for COD. The results will be compared with the results of the sample from the influent stream as a means of identifying potential breakthrough of the lead columns. In addition, the pressure differential between the influent and effluent points of the lead columns

will be compared to monitor potential breakthrough.

- One sample will be taken from the combined effluent from the lag carbon columns, immediately prior to discharge into the on-site surface water drainage system. This sample will be analyzed for VOCs, SVOCs, PCBs, pesticides, and herbicides.

One set of samples will be taken for each week that the system operates during the first two months of operation. At the end of the two month period, or after four sampling rounds, whichever comes first, the sampling frequency will be changed to monthly and this frequency will be continued until stormwater treatment ceases and the system is decommissioned when construction of the GMCS is complete.

If you have any questions about this monitoring plan, or wish to discuss details of the program, please do not hesitate to call me.

Sincerely,
Solutia Inc.

Gary W. Vandiver
Project Coordinator

cc: Sandra Bron - IEPA
Ken Bardo - USEPA
Mike Coffey - USF&W
Tim Gouger - USACE
Cathy Bumb - Solutia

Peter Barrett - CH2M Hill
Linda Tape - Husch & Eppenberger
Richard Williams - Solutia
Bruce Yare - Solutia
Steven Acree - USEPA